

To: MODAtmos
From: Michael King <king@climate.gsfc.nasa.gov>
Subject: Atmospheres Agenda for MODIS Science Team meeting
Cc: Conboy, Stuart, Janine, Salomonson, Justice, Esaias
Bcc:
X-Attachments:

Here is my first draft of the agenda for the Atmospheric Discipline Group meeting at the Science Team meeting in April. I think this meeting will be very informative with regard to providing further details of the MODIS-N instrument, now under contract with SBRC. I believe we will be able to accomplish all of our objectives in the roughly 8 hour period allotted to us for discipline group meetings. If other issues arise that I am not anticipating, we should have ample time to discuss them and, hopefully, resolve any issues from our own (atmospheres) prerochial perspective.

Agenda (Tuesday, 14 April)

- 1515 Resolution of SBRC Contract Issues on MODIS-N
- a) Interference filter specifications (bandwidth and tolerance)
 - b) Need for other hardware for on-board cross-track calibration
 - c) Other issues raised by Jack Engel and Dick Weber
- Discussion
Atmosphere Recommendations
- 1600 MODIS-N Algorithms
- a) Update MODIS-N atmospheres product list
 - b) Current status of algorithm development (each member)
 - c) Algorithm development plans and schedule for development (each)
 - d) Planned stage of algorithm development before entrusting to Science Data Support Team (each)
- Discussion
Atmosphere Summary
- 1730 Adjourn

Agenda (Wednesday, 15 April)

- 0830 MODIS-N Ancillary Data Requirements
- a) Review and verify MODIS-N ancillary data requirements (all)
- Discussion
Atmosphere Summary
- 0900 MODIS-N Peer Review
- a) Basis of peer review
 - b) Make up of peer review committee
 - c) Schedule of peer review in light of data product development schedule
- Discussion

Atmosphere Summary

1000 Coffee Break

1015 MAS Status

- a) Status of MAS during FIRE Cirrus Experiment (King and Menzel)
- b) Calibration, Characterization, Noise and Performance (Brown)
- c) Data processing and availability status (Gumley)
- d) Status of modifications and schedule for ASTEX (Brown)
- e) Spectral channels for Field deployments (ASTEX, TOGA-COARE, Brazil)
- f) Calibration support (Cooper)
- g) Algorithm development status for MAS processing (all)

Discussion

Atmosphere Summary

1200 Discussion of MAS with Land Group (working lunch)

1300 Plenary Session

1800 Social

Agenda (Thursday, 16 April)

0800-1130: No Atmospheres Discipline Group meeting

Lunch

1230 Plenary Session (Discipline Group Leaders)

1630 Next Meeting Plans & Closing Remarks (Salomonson)

MODIS Atmosphere Group

- Response to SBRC regarding MODIS bandpass specs
 - Considered recommended changes band by band
 - Tentative assessment (based solely on telluric bands) accepts some changes with little difficulty, rejects others as too severe for science objectives
 - Major concerns
 - bands 1 (O₂ B-band), 15 (O₂ A-band), 17-19 (H₂O bands)
- Product list update
 - Action item to team members to update and return